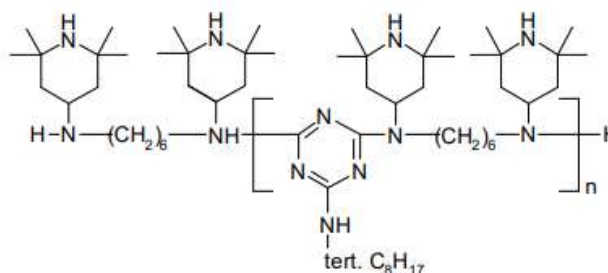


# PUREsorb 944

Oligomeric Hindered Amine Light Stabilizer (HALS)

**Description:** PUREsorb 944 is a high molecular weight hindered amine light stabilizer (HALS). It shows excellent compatibility, high resistance to extraction and low volatility.

## Formula



**Chemical name:** Poly[[6-[(1,1,3,3-tetramethylbutyl)amino]-s-triazine-2,4-diyl]-[(2,2,6,6-tetramethyl-4-piperidyl)imino]-hexamethylene-[(2,2,6,6-tetramethyl-4-piperidyl)imino]]

**CAS number:** 71878-19-8      **Molecular weight:** Mn = 2000 - 3100 g/mol

**Features & benefits:** PUREsorb 944 imparts excellent light stability to thin articles, particularly fibers and films. In thick cross sections it is specifically suitable for polyethylene articles. In addition, its use is recommended for applications requiring indirect food contact approval. PUREsorb 944 is highly effective as a long-term thermal stabilizer in thin and thick articles and shows good extraction resistance.

**Application:** PUREsorb 944 areas of application include polyolefins (PP, PE), olefin copolymers such as EVA as well as blends of polypropylene with elastomers. In addition, in certain instances PUREsorb 944 is highly effective in polyacetals, polyamides, polyurethanes, flexible and rigid PVC, as well as PVC blends and in certain styrenic elastomer and adhesive specialty applications

**Health & Safety:** In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Avoid dust formation and ignition sources. For more detailed information please refer to the material safety data sheet.

## Physical Properties:

Melting range	100 - 135°C		
Vapor pressure	1.01 E6 Pa		
Bulk density (g/l)	Powder: 470-570, pellets: 450 - 550		
Solubility (20°C) g/100g solution	Solubility (20°C) g/100g solution		
- Acetone	>50	- Chloroform	>50
- Ethyl-acetate	>50	- Benzene	>50
- Methanol	3.0	- n-hexane	40.0
- Methylene Chloride	>50	- Water	<0.01